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<u>EXERCES TRANSPORTER REPORTED FOR THE FORMAL PROPERTY OF THE FORMAL </u> aulos exchanger membrane and a cution exchanger mambrans, and an outse contractectured. Each mam-brane is sealed at an inner edge thereof and at a outse edge by a respective clamping device, or are anchured in a synthetic rest block, in sept a way that a dilution chamber and a concentrate chamber are defined. The dilution chamber and/or the concentrate chamber may contain as ion exchanger resin. The central electrode and the outer countralestrode such may have a constriction over at least a past of the chrumfurence thereof. The central electrode may furthermore have a recess for receiving the more champing device or the inner synthetic resin block in order no achieve a whiching having as spiral a cross section as possible. Deskinstion 16, 229-233 (1975), Elsevier Scientific Publishing Co., Amsterdam. An apparatus for the continuous electrochemical desail-nation of aqueous solutions includes a wound module having a central electrode, around which are wound an 5,376,253 Dec. 27, 1994 Princy Euminer—John Nithling Assiran Euminer—Arm S. Pasgo Anongs, Agent, or Firm—Wendersch, Lind & Ponsck FOREIGN PATENT DOCUMENTS HATELETANT TELESCENT OF THE SECTION OTHER PUBLICATIONS 19 Claims, 5 Drawing Sheets 011337 5/1991 European Pat. Off. 2267118 11/1973 Prance . 489654 8/1938 United Eingelem . 1192531 5/1970 United Eingelem . ABSTRACT [11] Patent Number: Date of Patent: 3 Philippe Rythes, Muchach-lo-Hant, France, Sennel Almes, Asech, Switzeriand, Han P. Alt, Rheinfelden, Germany; Donnique Gerskittel, Huningue, France B01D 61/44, CO2P 1/469
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204/301, 1824, 1825 210/321 204/180 210/321 204/301 204/301 204/301 204/301 01 5/8/72-5 APPARATUS FOR THE CONTINUOUS RECTROCHEMICAL DESALINATION OF AQUEOUS SOLUTIONS Christ AG, Acach, Switzerland E **医医医医多角色医** Foreign Application Princity Deta U.S. PATENT DOCUMENTS United States Patent Rosensk et al. .. Dewey II, et al. References Cited May 12, 1993 [21] Appl. No.: 59,761 1,660,700 9,1933 1,278,1291 1,47934 1,421,4791 1,421,479 1,421,479 1,421,479 1,421,479 1,431,479 1,436,477 10,7190 0,436,477 10,436,477 10,436,477 10,436,47 [58] Field of Search May 15, 1992 (CR) Nov. 26, 1992 (CR) Rychen et al. [73] Assignee: 45 CS CS CS 22] Filled: <u>F</u> Ξ 8 204/533; 204/164; 210/638; 204/529; [0] [0] [0] [0]Apparatus for the continuous electrochemical desalination of aqueous solutions US 5376253 A US Patent No. - PN (1): 5376253 59 US 5376253 A 10 DOCUMENT-IDENTIFIER: US 5425858 A US 5925255 A US 5868915 A US 5858191 A 5316637 A KWIC US-PAT-NO: ES. TITIE:

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United States Patent [19] [11] 4,225,413 Kgm	34 SPIRAL WOUND ELECTRODIALYSIS CELL Princary Exeminer—Arthur C. Prescott 156 Inventor: William S. Karn, 518 Dickson Ave. 157 Appl. No.: 41,897 Two lon selective semiperments membranes, such as archived. 121 Filed: May 24, 1979 Two lon of electrodialyst cell sembling, are provided with 151 Int. Cl. 224, 1979 Two lon of electrodialysts of electrode and a spiral so to resemble a spiral wound into a spiral so to to resemble a spiral wound into a spiral so to resemble a spiral wound into a spiral so to resemble a spiral wound into a spiral so to resemble a spiral wound into a spiral so to resemble a spiral wound into a spiral so to resemble a spiral wound into a spiral so to resemble a spiral wound into a spiral so to resemble a spiral wound into a spiral so to resemble a spiral wound into a spiral so to resemble a spiral wound into a spiral so to resemble a spiral wound into a spiral so to resemble a spiral wound into a spiral so to resemble a spiral wound into a spiral so to resemble a spiral wound into a spiral so to resemble and a spiral wound into a spiral so to resemble a spiral wound into a spiral so to resemble a spiral wound into a spiral so to resemble a spiral wound into a spiral so to resemble a spiral wound into a spiral so to resemble a spiral wound into a spiral so to resemble a spiral wound into a spiral so to resemble a spiral wound into a spiral spiral wound into a spiral spiral wound into a spiral spiral spiral wound into a spiral spiral wound into a spiral woun		
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